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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/720,027
				Filing Date	November 20, 2003
				First Named Inventor	Todd W. Johnson
				Group Art Unit	2838
				Examiner Name	Unknown
Sheet	1	of	1	Attorney Docket Number	066042-9536-01

U.S. PATENT DOCUMENTS

Examiner Initials		U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
ET		5,268,630	Bhagwat et al.	12/7/1993
ET		5,894,212	Balogh	4/13/1999

FOREIGN PATENT DOCUMENTS

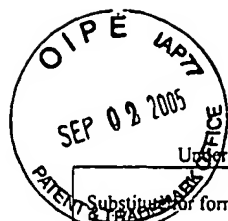
Examiner Initials		Country Code	Foreign Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Translation	English Abstract
ET		EP	0669692	Black & Decker Inc.	8/30/1995		

Examiner Signature	/Edward Tso/	Date Considered	4/06
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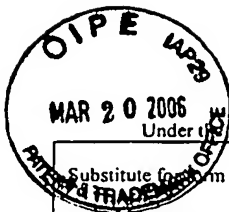
U.S. PATENT DOCUMENTS				
Examiner Initials		U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
ET		2002/0125860	Schworm, Ernst; et al.	9/12/2002
ET		5,567,542	Bae	10/22/1996

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Examiner Initials	Country Code	Foreign Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Translation	English Abstract
ET	EP	1191616	Matsushita Electric Industrial Co., Ltd.	3/27/2002		
ET	EP	1118132	Matsushita Electric Industrial Co., Ltd.	1/11/2001		
ET	EP	669692	Black & Decker Inc.	2/27/1995		
ET	GB	2354891	Nippon Electric	4/4/2001		
ET	GB	2336955	Motorola Inc.	11/3/1999		
ET	RO	116233	SC Eximprod Grup SA	11/30/2000		X

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Substitute Form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

1

of

4

Complete if Known

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ET	2003/0096158	Takano et al.	5/22/2003
	4,845,419	Hacker	7/4/1989
	4,893,067	Bhagwat et al.	1/9/1990
	4,937,528	Palanisamy	6/26/1990
	4,973,896	Shiga et al.	11/27/1990
	5,206,097	Burns et al.	4/27/1993
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	5,280,229	Faude et al.	1/18/1994
	5,350,993	Toya et al.	9/27/1994
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	5,371,453	Fernandez	12/6/1994
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	5,557,192	Tamai	9/17/1996
	5,563,496	McClure	10/8/1996
	5,572,108	Windes	11/5/1996
	5,598,085	Hasler	1/28/1997
	5,606,242	Hull et al.	2/25/1997
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	5,691,620	Nagai et al.	11/25/1997
	5,691,623	Tsantilis	11/25/1997
	5,708,351	Takamoro	1/13/1998
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	5,757,163	Brotto et al	5/26/1998
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Sheet	2	of	4		

U.S. PATENT DOCUMENTS				
Examiner Initials		U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
ET		5,835,351	Ulanski et al.	11/10/1998
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		5,986,430	Fernandez et al.	11/16/1999
		5,994,875	Lee	11/30/1999
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		6,326,767	Small et al.	12/4/2001
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		6,452,362	Choo	9/17/2002
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ET		6,509,114	Nakai et al.	1/21/2003

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Sheet	3	of	4		

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Examiner Initials		U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
ET		6,518,731	Thomas et al.	2/11/2003
ET		6,522,100	Hansford	2/18/2003

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Examiner Initials		Country Code	Foreign Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Translation	English Abstract
ET		CA	2231260	University of British Columbia	6/9/1999		
		DE	3637669	Robert Bosch GmbH	5/19/1988		x
		DE	10153083	FAHRZEUGAUSRUESTUNG BERLIN GMB	5/22/2003		x
		DE	19617805	Makita Corp.	11/14/1996		x
		EP	265144	Clark Automotive Dev.	4/27/1988		
		EP	419806	Makita Electric Works, Ltd.	4/3/1991		
		EP	767524	Motorola, Inc.	4/9/1997		
		EP	1039612	Makita Corporation	9/27/2000		
		GB	2289581	GEC-Marconi Limited	11/22/1995		
		GB	2293060	Rayovac Corporation	3/13/1996		
		GB	2354892	Sanyo Electric Co., Ltd.	4/4/2001		
		JP	8196042	Fuji Photo Film	7/30/1996		x
		JP	2000102185	Mitsubishi	4/7/2000		x
		JP	2000102195	Sanyo Electric Works	4/7/2000		x
		JP	2001112182	Matsushita	4/20/2001		x
		JP	2001218376	Toyota Motor Corp.	8/10/2001		x
		JP	2002008732	Toyota Motor Corp; Denso Corp.	1/11/2002		x
ET		JP	2002369400	Yazaki Corp.	12/20/2002		x

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Examiner Initials		Country Code	Foreign Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Translation	English Abstract
ET		WO	93/14548	Robert Bosch GmbH	07/22/1993		
ET		WO	96/21954	Motorola Inc.	7/18/1996		
ET		WO	99/63613	International Components Corporation	12/9/1999		
ET		WO	00/49699	Microchip Technology Incorporated	8/24/2000		

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